

CLAIMS:

1. A coating liquid for forming porous silica comprising:
(A) an alkoxysilane compound;
(B) a surfactant; and
(C) an organic ampholyte,
and having a metal content of not more than 50 ppb.
2. The coating liquid for forming porous silica according to claim 1, wherein (C) the organic ampholyte is (C1) an amino acid and/or peptide.
3. The coating liquid for forming porous silica according to claim 1, wherein (C) the organic ampholyte is contained in the amount of from 0.1 to 6000 ppm in the coating liquid for forming porous silica.
4. The coating liquid for forming porous silica according to claim 1, wherein (A) the alkoxysilane compound is a partial hydrolysis-condensation product of (A1) an alkoxysilane compound.
5. The coating liquid for forming porous silica according to claim 1, wherein the W_{CR} value defined by the following formula is in the range of 0.5 to 3.0,
$$W_{CR} = W_C / (60.09 \times M_{Si}) \quad (\text{Formula 1})$$

wherein W_C represents a mass of (B) the surfactant (unit: gram); and M_{Si} represents the molar amount of (A) the alkoxysilane compound in terms of silicon.